Abstract

The method for positioning a mobile terminal in a GPS satellite-invisible area by using a mapping server including

5   the mobile terminal, a location detector, a PDE and a database, comprising: (a) obtaining a reference pilot signal of a base station or a repeater and a LD pilot signal from the location detector; (b) transmitting information on the reference pilot signal or the LD pilot signal to the PDE by

10   using a PSMM, if a strength of the reference pilot signal or the LD pilot signal is determined to be larger than a prescribed value; (c) calculating a pseudo noise code phase value per chip from the PSMM; (d) transmitting the pseudo noise code phase value to the LD mapping server, if the

15   pseudo noise code phase value calculated at step (c) is determined to be a pseudo noise code phase value served for a location detection; and (e) obtaining a location information of the mobile terminal by using the pseudo noise code phase value transmitted at step (d).